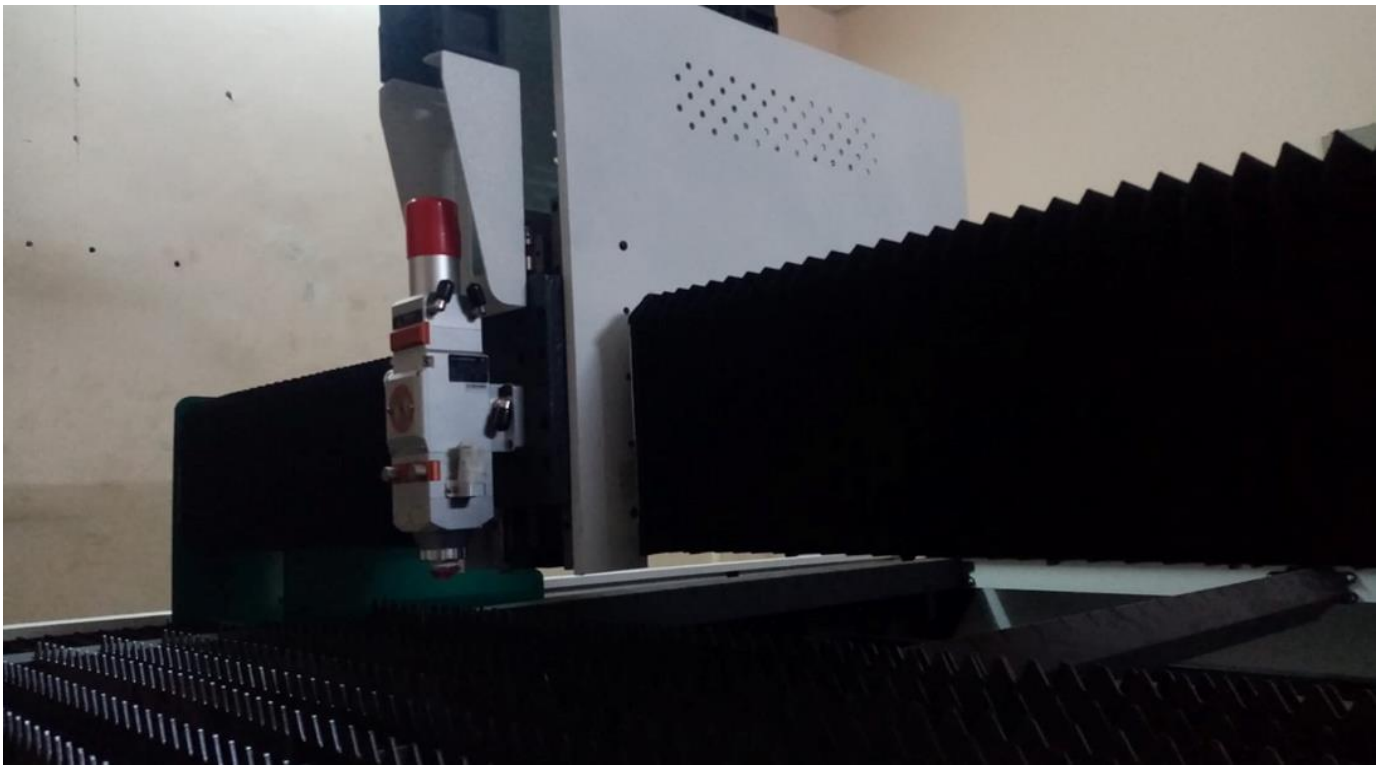
MACHINE PHOTO ARE ONLY FOR REFERENCE PURPOSE



1 INTRODUCTION to LX3015C-1500w laser Cutting Machine

LX3015C-1500w fiber laser cutting machine is a product manufactured by **KASSAR** Technology Co., Ltd , according to international export standards, This product. This series of products is the first choice in the metal material processing industry, with strong cutting ability

double drive acceleration makes the maximum acceleration of X and Y single axis Up to 1.0 G

The moving mechanism has good rigidity and high precision, so as to ensure the longterm high-precision operation of the equipment.

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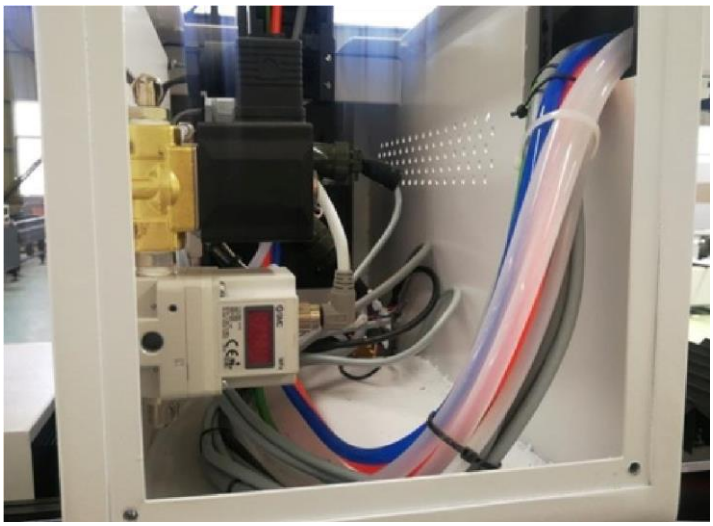
COMMERCIAL OFFER

ITEM	Machine	price	Transportterms (FCL)	Shipping cost	TOTALAMOUNT (USD)
1	**LX3015C-1500w**		**Saudi Arabia**		
2	CONFIGURATION	Working size	2500*6000 mm		
		Body	Heavy duty Machine frame		
		Table	Sawtooth table		
		Laser source	Fiber Laser Generator6000W		
		Transmission	ball screw transmission		
		Rails	Screw rails y30 x20 z20		
		Laser head	Raytools laser cutting head BM06K		
		Controller	Raytools controllerXS3000 system		
		Motor	High quality servo motor and driver X:1000W Y:1300W Z:400W		
		Device	France Schneider Electric Device		
		Cooling system	Hanlu Water chiller		
		Computer	Industrail CPU + cantilever		
		Component	Electromagnetic valve+proportional valve		
		Consumables	5 pcs protection mirrors+10 pcs cutting nozzles		
		Parts	1 pcs Focus lens+1 pcs Ceramic ring		
		air conditioner	Including		
3	Delivery time	About25-40	Working Days After Get Deposit		
	Warranty Time	3 Years	Quality guaranty		
	Paymentterms	T/T			
4	Speed	Travelling	Speed:70-110m/min		
5	Accuracy	PositionalAccuracy	Accuracy:0.02mmRepeatPositionaAccuracy :0.01mm Life Time		
6	Warranty of laser	Power100,000	hours		

Protection Mirror

electro-pneumatic proportional pressure valve



Part 2 Application

Fiber laser cutting machine suitable for all of the metal, pipe cutting steel metal, stainless steel plate, carbon steel, manganese steel alloy plate, rare metals and other materials. It is widely used in kitchen electrical, sheet metal chassis, chassis, electrical equipment, lighting hardware, advertising signs, car accessories, display equipment, all kinds of metal products, sheet metal cutting industry.

MFSC
5000W~6000W
Single Module CW Fiber Laser
MAX PHOTONICS

RAYTOOLS
BM06K

WARNING
KEEP HANDS CLEAR

KASSAR CNC

MFSC 1000X~1500X

Single Module CW Fiber Laser

Product Feature

Up to 6KW Output From CW Single Module Series

Better beam quality vs. multi module lasers
Greatly improved efficiency

Excellent Material Processing Performance

High speed in thin sheet cutting
Strong capability in thick material processing

Compact Design, Maintenance Free

Highly integrated system with modular design
Easy maintenance significantly reduce TCO

Smaller Size with Higher Stability

>60% reduction in volume
Higher flexibility when integrated in to system

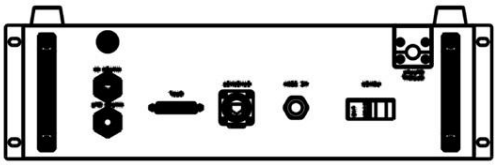
High Level Vertical Integration

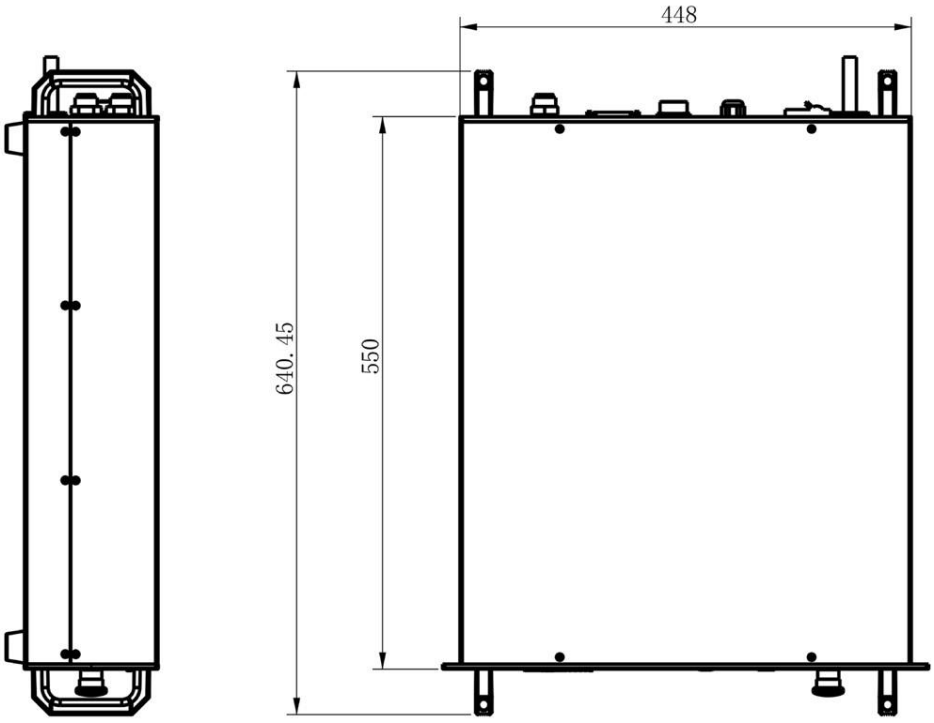
All key components are designed and produced in house
/ and reliability

MAX PHOTONICS

MFSC 1000X~1500X Fiber Laser Specifications

Models	MFSC-1000X	MFSC-1500X
OPTICAL SPECIFICATIONS		
Nominal Power	1000W	1500W
Mode of Operation	CW/Modulated	
Polarization	Random	
Power Tunability	10 to 100%	
Wavelength	1080 ± 10 nm	
Power Stability	±1 %	
Laser Beam Quality, BPP	≤ 1.5 mm x mrad (50μm QBH)	
Modulation Frequency	≤ 20kHz	
Preview Red Light Power	150 μW	
FIBER DELIVERY SYSTEM		
Interface	QBH(LOC)	
Length	15m standard, other lengths optional	
Diameter	50 (25) μm	50 (35) μm
Bending Radius	200 mm	
ELECTRICAL RATINGS		
Supply Voltage	220VAC (-15% to +10%) Single-phase	
OTHER SPECIFICATIONS		
Operating Temperature	+10 to +40℃	
Storage Temperature	-10 to +60℃	
Humidity	10 to 85%	
Cooling Method	Water Cooling	
Cooling Medium	Distilled water/ Glycol Antifreeze	
Dimension	482.6×800×193mm (W×D×H)	
Weight	53(±3)kg	57(±3) kg

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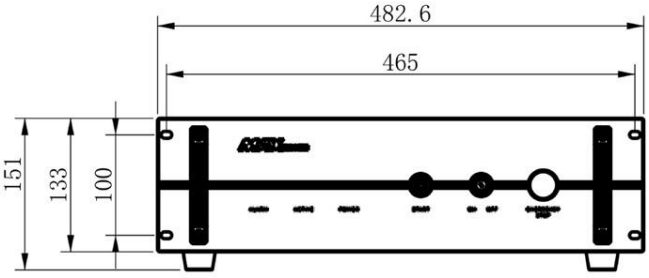
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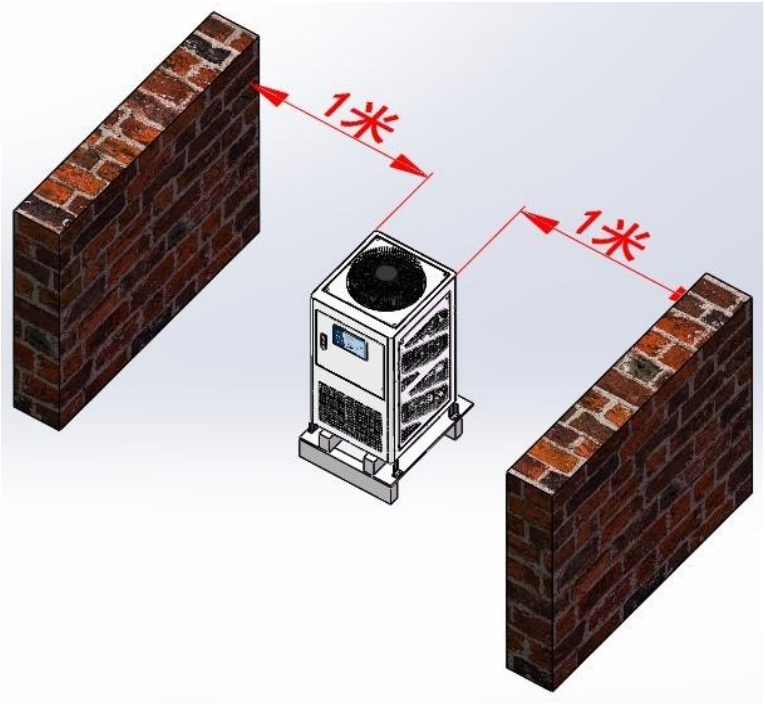
KASSAR CNC

Hanli Laser

Chillers

High Cooling Capacity 1500W

Laser Engraving Cutting Machine compatible with HANLI HL-1500W Industral Water Chiller, Ensuring Efficient cooling.



Hanli HL-1500W Laser Chiller

Serial number	Model	voltage	power（kW）	refrigeran	of fluorine t（kg）	head of delivery（m）	Flow（m³/h）	weight（kg）	dimension（mm）	（L）
2	HL-1500QG2/2	220V 50Hz	2.7	R410A	0.50	47.5	2	63	610×500×890	13

Laser cutting head

RAYTOOLS BM 111

Modular design with easy maintenance.

Dual water cooling circuits.

3 Cover glasses (top, middle and bottom) to protect collimation & focus lens.

Auto focus to reduce human intervention and improve piercing and cutting efficiency.

IP65 class dustproof, patented cover glass cover plate. All-around dust prevention.

Technical Data

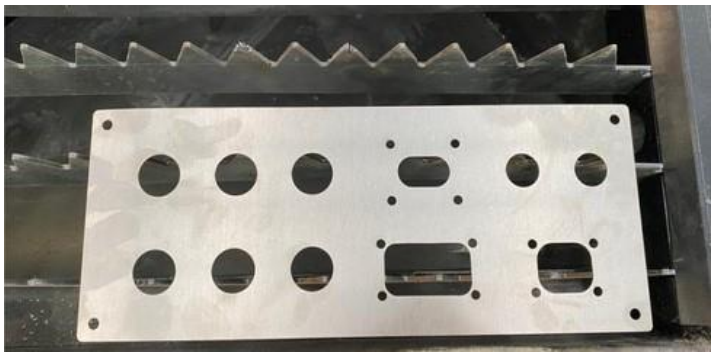
Fiber Interface	QBH, QD
Clear Aperture	28 mm
Auto Focus	
- Range	+10 ~ -12 mm
- Acceleration	≤ 10 m/s²
- Velocity	≤ 10 m/min
- Accuracy	≤ 50 μm
Cover Glasses	
- Collimation Side (Top)	Φ24.9 * 1.5 mm
- Focusing Side (Middle/Bottom)	Φ27.9 * 4.1 mm

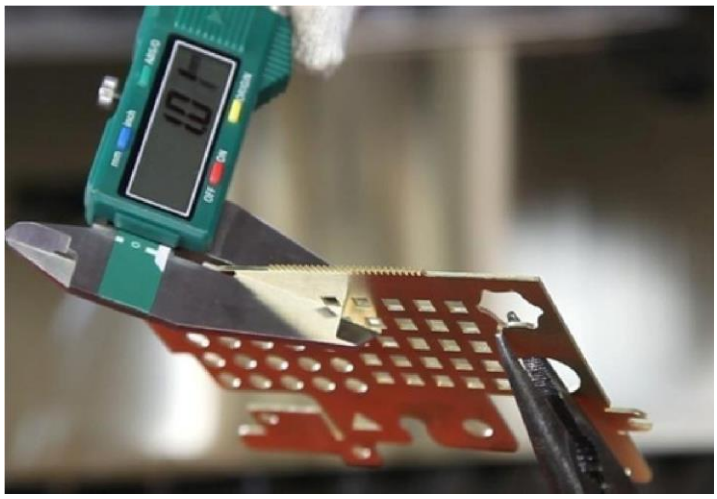
Collimation Length	75mm, 100mm
Focusing Length	125mm, 155mm, 200mm
Nozzle Styles	Single, Double, Custom
Diameter of Nozzle tip	0.8mm, 1.0mm, 1.2mm, 1.5mm, 2.0mm, 2.5mm, 3.0mm, 3.5mm, 4.0mm, 4.5mm, 5.0mm
Assist Gas pressure	≤ 30 bar
Weight	~ 5.7 kg

Specifications subject to change without notice.

1 List of key components

NO.	Main configuration	Configuration content	Brand
1	CNC system	Operating System: WINDOWS (English) Control Panel: 24-inch touch industrial screen	Microsoft
		CNC Numerical Control System: FARLEY-A	KASSAR
		Handheld components: FARLEY-A	KASSAR
		Motor and servo drive	High Quality Servo Motors
		Interface USB2.0, network port RJ45	KASSAR
2	Transmission system composition	High precision linear guide	PEK
		High-precision grinding helical rack	
		High-precision disc reducer	JAPAN SHIMPO
3	Sealing protection system	Rail dust cover	KASSAR
4	Software	RayTools	RayTools2
5	Capacitive vertical heel Tracking system composition	Capacitance sensor, amplifier (built-in cutting head)	KASSAR
6	Electrical system composition	Contactor, air switch (non-leakage protection)	KASSAR
7	Pneumatic system composition	Integrated electronically controlled highpressure gas circuit control unit	Japanese SMC





2 Controller

High Quality

Servo Motors

RayTools

Control

Wirless

remot econtrol

Windows System

KASSAR is equipped with international standard RayTools CNC control system that guarantees its high stability and reliability, it has following functions:

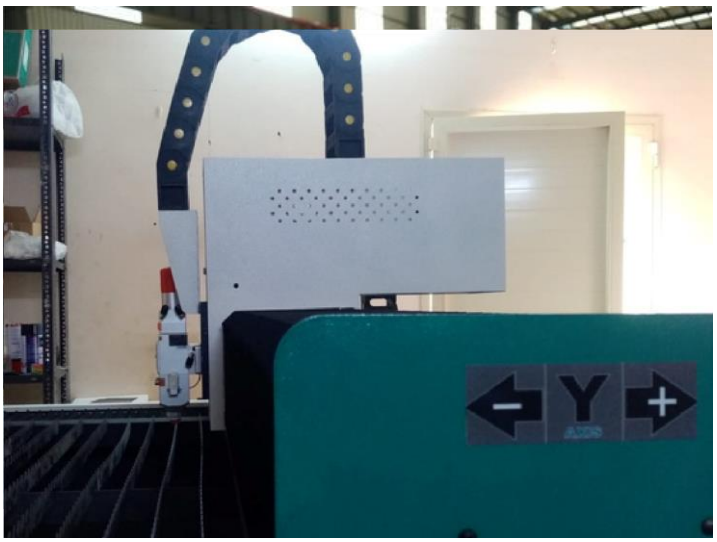
- **User-friendly interface with built-in English operating system, greatly enhanced operation efficiency.**
- **AC servo motor and drive: a combination of reliability, quick response and free of maintenance.**
- **Fast-response surface following**
- **Easy-operated cutting-retraction**
- **Straight line/circular arc interpolation fitting and kerf compensation**
- **USB and broadband interface available for data communication**
- **Farley CNCKAD PLC is equipped for PLC**

Industrial PC

KASSAR CNC Cutting Machines using Industrial PCs are primarily used for process control and/or data acquisition, Industrial PCs offer different features than consumer PCs in terms of reliability, compatibility, expansion options, and long-term supply for our Fiber laser cutting machine.

Industrial PCs are typically characterized by being manufactured in lower volumes than home or office PCs.

Industrial PCs typically cost considerably more than comparable office-style computers with similar performance. Single-board computers and backplanes are used primarily in Industrial PC systems, industrial PCs are the Panel PC where a display, typically an LCD, is incorporated into the same enclosure as the motherboard and other electronics.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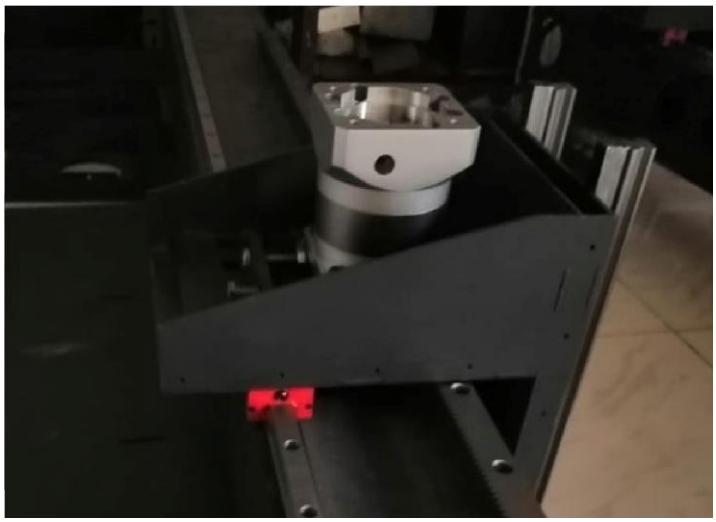
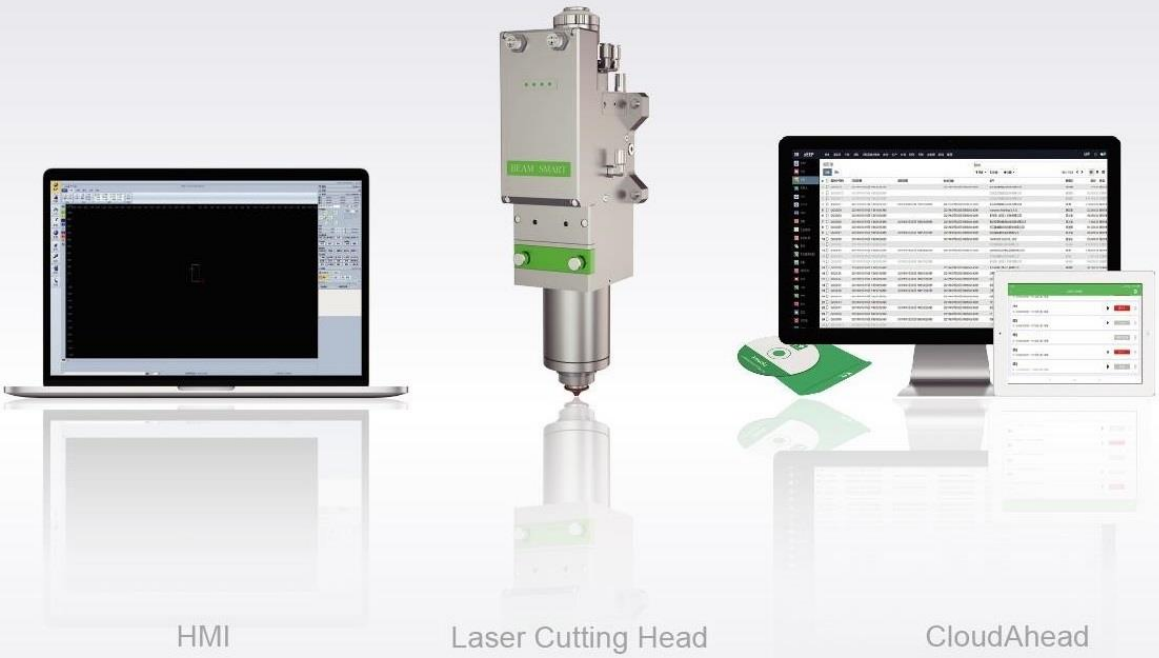
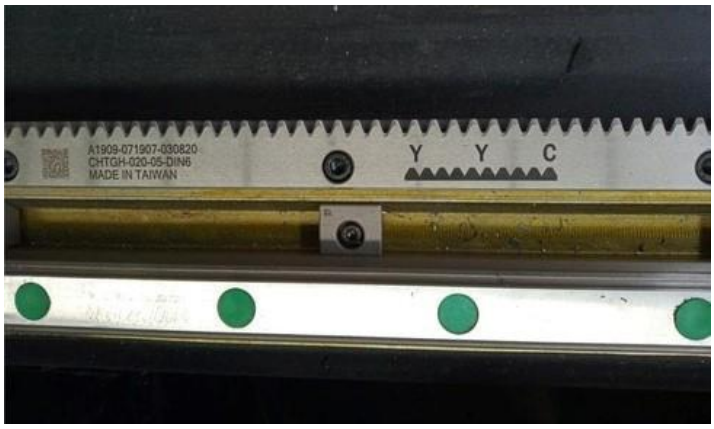


MOTOREDUCER

OPENLASER SOLUTION

RayTools V2 SOFTWARE

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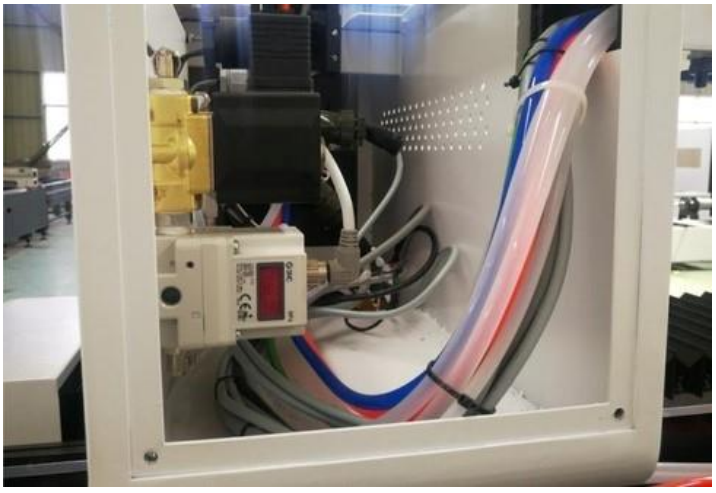

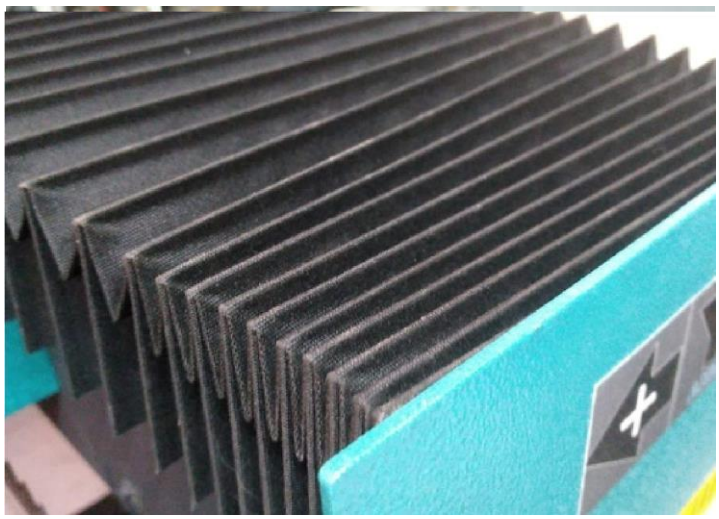

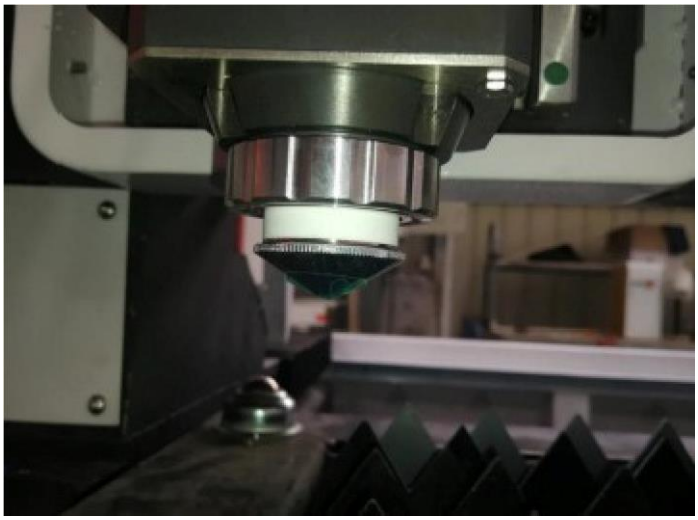

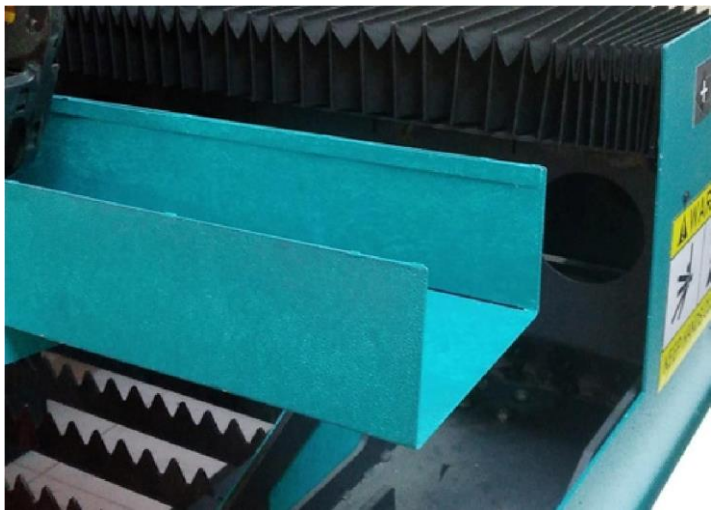

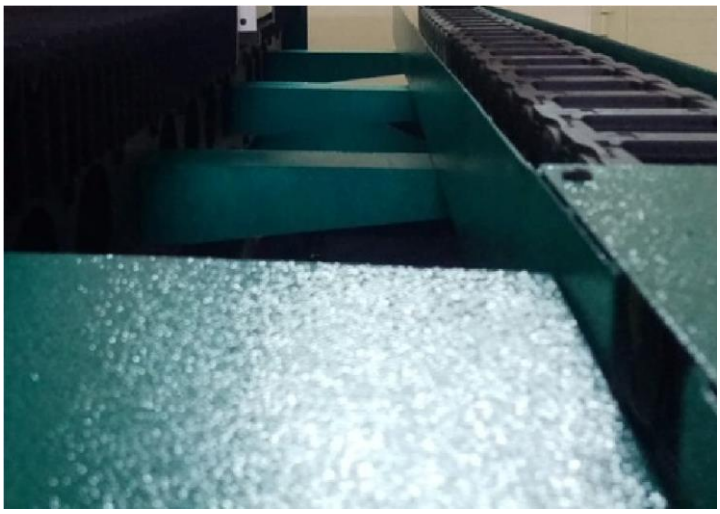

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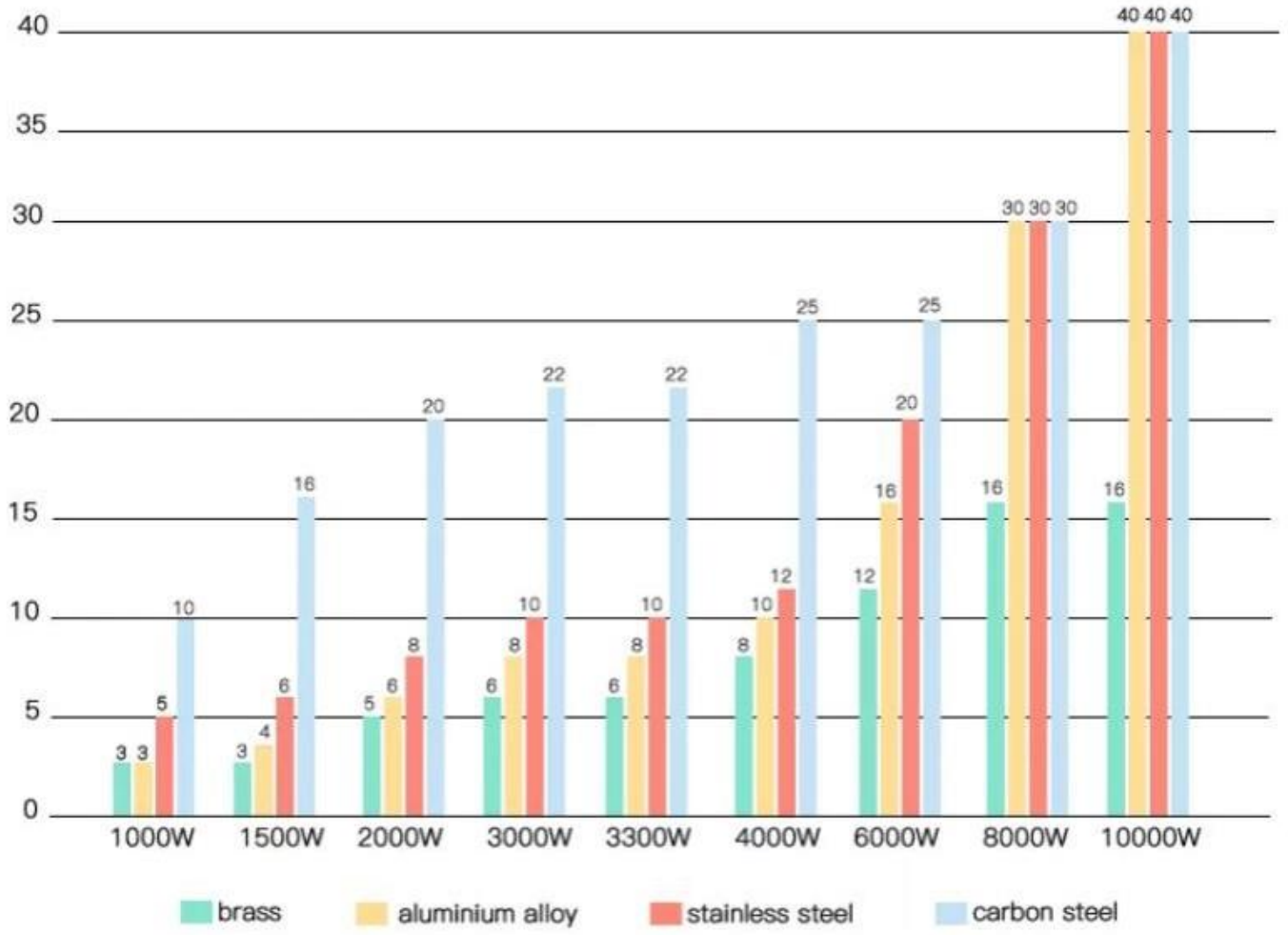
KASSAR CNC

CUTTING PARAMETER



Part 3 Quality management system

Laser **Kassar CNC** is one of the largest suppliers of laser equipment in Muscat Governorate. The company is mainly engaged in laser cutting machine, laser engraving machine, laser marking machine, etc. **Kassar CNC** has a 15-year history of servicemore than 100 countries and regions.

Kassar CNC has a quality control system and a quality management team. It strictly adheres to general industry standards and company guidelines. Implement quality control from every aspect of R&D, production and after-sales of laser equipment, to ensure that each machine can meet customer's requirements.

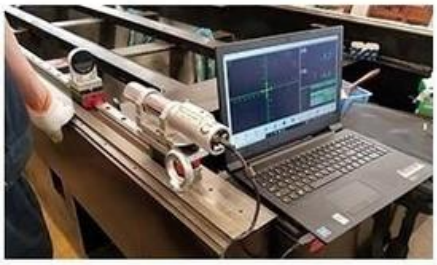
3.1 Incoming Inspection

For every part of the machine, **Kassar CNC** will strictly control the quality. Not only require suppliers to provide quality inspection reports, but also strict quality monitoring will be carried out when the parts are in the factory.

1 Dial indicator -detect the gantry rail parallelism

2 Dial indicator -detect the parallelism of the body rail

3 Laser Collimator-Measure rail Straightness of the gantry



4 Laser Collimator-Measure ail Straightness

5 Laser interferometer-Test and correct the accuracy of machine bed

6 Plug gauge -detect the straightness of the rack

3.2 Pre-delivery Inspection

The machine will accept a number of quality testing, respectively, from the performance, stability, fit, practical and other aspects of consideration, for non-compliance with the standard part of the arrangements for debugging and maintenance , To ensure that the final factory, the machine is in the best condition.

KASSAR CNC Fiber Laser Cutting Machine can cut precise pieces at excellent speed.